

x16270M.ST25.txt  
SEQUENCE LISTING

&lt;110&gt; ELI LILLY AND COMPANY

&lt;120&gt; INSULIN ANALOGS HAVING PROTRACTED TIME ACTION

&lt;130&gt; X-16270M

&lt;150&gt; US 60/466,501

&lt;151&gt; 2003-04-29

&lt;150&gt; US 60/466,500

&lt;151&gt; 2003-04-29

&lt;150&gt; US 60/470,118

&lt;151&gt; 2003-05-13

&lt;160&gt; 5

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; HOMO SAPIENS

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(22)

<223> Amino acid sequence of the A-chain of  
A0ArgA21GlyB31ArgB32Arg-human insulin and A0ArgA21GlyB29ArgB31Arg  
B32Lys-human insulin.

&lt;400&gt; 1

Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln  
1 5 10 15Leu Glu Asn Tyr Cys Gly  
20

&lt;210&gt; 2

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(32)

<223> Amino acid sequence of the B-chain of  
A0ArgA21GlyB31ArgB32Arg-human insulin.

&lt;400&gt; 2

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr  
1 5 10 15Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Arg  
20 25 30

&lt;210&gt; 3

## x16270M.ST25.txt

<211> 21  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(21)  
<223> Amino acid sequence of the A-chain of wild-type human insulin.

<400> 3

Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu  
1 5 10 15

Glu Asn Tyr Cys Asn  
20

<210> 4  
<211> 30  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(30)  
<223> Amino acid sequence of the B-chain of wild-type human insulin.

<400> 4

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr  
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr  
20 25 30

<210> 5  
<211> 32  
<212> PRT  
<213> homo sapiens

<220>  
<221> MISC\_FEATURE  
<222> (1)..(32)  
<223> Amino acid sequence of the B-chain of A0ArgA21GlyB29ArgB31Arg  
B32Lys -human insulin.

<400> 5

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr  
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Arg Thr Arg Lys  
20 25 30